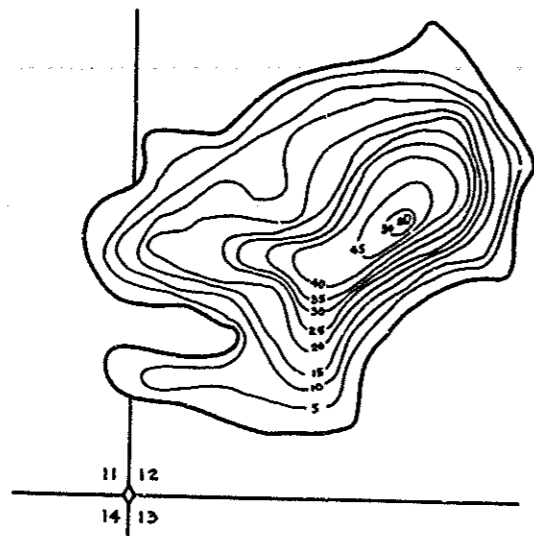


R-9  
 U.S. Department of Agriculture  
 Forest Service  
 LAKE AND STREAM SURVEY  
 IRISH LAKE - ESTES LAKE  
 Ottawa National Forest  
 Michigan

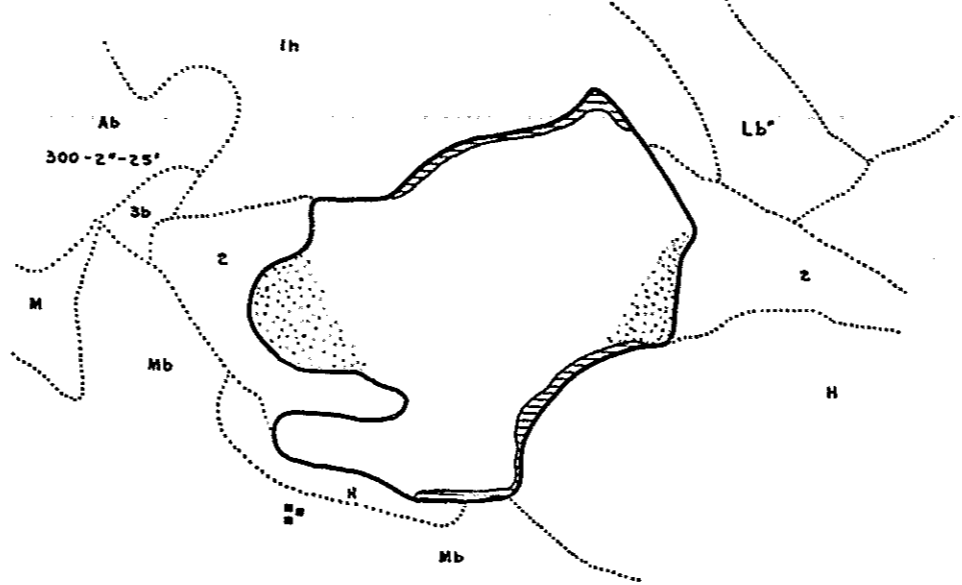
Scale: 16 Inches = 1 Mile

Irish Lake Area 17 Acres  
 Estes Lake Area 224 Acres  
 Irish Lake Length of Shoreline .84 Miles  
 Estes Lake Length of Shoreline 1.08 Miles

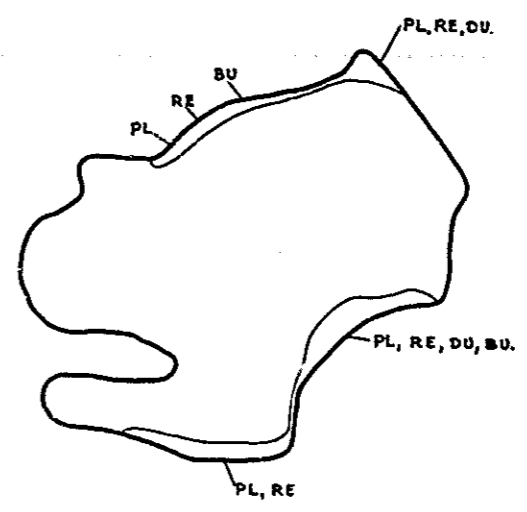
Irish Lake  
 Location: Sec. 12, T.48N. R.36W.



Contour Map  
Contour Interval = 5'

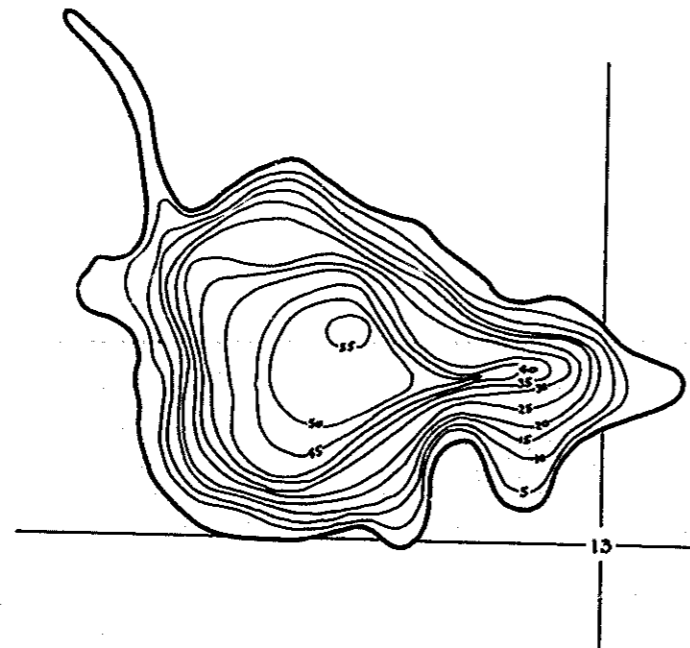


Cover Type And  
Lake Bottom Soil Type Map

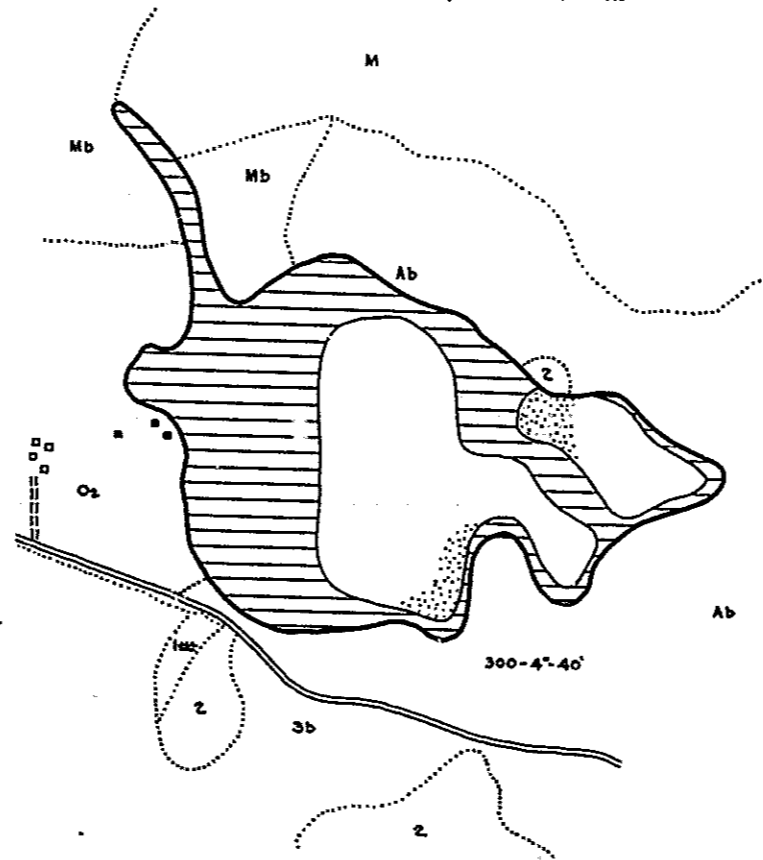


Aquatic Vegetation Map

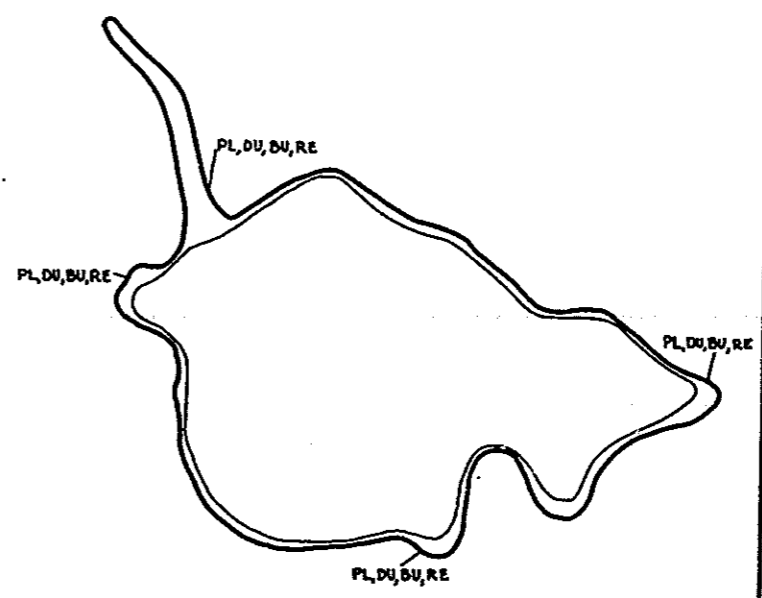
Estes Lake  
 Location: Sec. 13, T.48N. R.36W.



Contour Map  
Contour Interval = 5'



Cover Type And  
Lake Bottom Soil Type Map



Aquatic Vegetation Map